

THE CANÉ GROWERS' QUARTERLY BULLETIN

VOLUME XXI

CONTENTS

	Page
The Sugar Industry in this Technical Age, by Norman J. King	3
"Bacterial Mottle"—A new Disease of Sugar Cane in Queensland, by D. R. L. Steindl	6
More Giant Sensitive Plant	8
Miscellaneous Cane Diseases	8
New Glasshouse at Meringa, by J. H. Buzacott	9
Water Carriers by H. G. Knust	10
Ratooning of Drought-Stricken Crops	11
Cane Growers' Honour Bureau	12
A Study of Low C.C.S. at Babinda, by Norman J. King	23
What to Plant, by E. A. Pembroke	30
Technologists see Grub Damage, by C. G. Hughes	33
Poisoning Coots	34
Random Gleanings	35
Cowpeas Resistant to Wilt, by A. G. Barrie	39
Queensland's Major Cane Varieties	41
Lower Burdekin Field Day Address, by Norman J. King	42
Industry Progress	43
An Approach to Water Conservation, by C. L. Toohey	44
Aerial Spraying at Ingham	45
Sterilizing Cane Knives for the Control of Ratoon Stunting Disease, by D. R. L. Steindl	46
Poisoning of Foxes, by N. McD. Smith	47
To Mackay and District Cane Growers	48
Poor Ratooning in the Bundaberg Area, by R. B. Moller	49
A New Variety Q.70, by C. L. Toohey	52
The "Q" Canes	57
C.C.S. Deterioration in the Burdekin Area, by G. A. Christie	58
Forecast of Approved Varieties for 1958	61

	Page
A New Tillage Implement, by C. G. Story	62
Mill Crushing Rates	63
Chlorotic Streak Disease in Queensland, by C. G. Hughes	64
An International Activity	65
High C.C.S. or More Tons of Sugar per Acre ? by Norman J. King	66
Spray Irrigation at Fairymead	67
Random Gleanings	68
The World Distribution of Cane Diseases, by C. G. Hughes	69
Bureau Prosecutes Cane Grower	75
Break Pushing Machines, by I. T. Freshwater	76
Stubble Shaving on the Herbert River, by O. W. D. Myatt	79
Bureau Headquarters	80
Aerial Application of Fertilizer, by C. M. McAleese	81
Farewell to Fences, by J. H. Buzacott	82
And We think Our Rats are Bad	83
Cloud Seeding at Bundaberg, by N. McD. Smith	84
Unusual Pig Damage	87
The Tully River Hydro-Electric Power Scheme, by S. O. Skinner	88
Pictorial Section	89
Soil Conservation in the Childers Area, by R. B. Moller	93
What is Gibberallie Acid ? by C. G. Hughes	96
Approved Varieties for 1958	97
Copper Deficiency in the Mossman Area, by B. T. Egan	99
Manual of Cane Growing	100
New Varieties—In Cane Grubs, by G. Wilson	101
The Funnel Ant, by B. E. Hitchcock	104
The Bureau's Variety Garden, by H. G. Knust	106
Random Gleanings	107
Editorial	111
Spraying BHC for Grub Control, by L. S. Chapman	112
Farewell Nineteen Hundred, by C. G. Hughes	115
Q.67—A New Variety, by G. A. Christie	118
A Friction Drive for Fertilizer Distributors	119
Director Addresses Mossman Growers	119
Water Distributors, by H. G. Knust	120
A New Philippine Variety	121
Sugar Cane Bud Moth Damage at Mackay, by C. G. Story	122
Beetle Borer in the Innisfail Area, by I. T. Freshwater	123
Bacterial Mottle in North Queensland	124
Pictorial Section	125
Leaf Scald Resistance Trial in North Queensland, by B. T. Egan	129
Variety Importations	130

	Page
Our Quarantine House	130
Transport of Molasses for Stock Food , by J. H. Buzacott	131
Building at Bundaberg Experiment Station	132
Other Bundaberg Improvements	132
Hydraulically Operated Points for Cane Lorries , by G. H. Whitaker	133
New Uses for Sugar	135
Mechanical Cane Topper , by A. A. Matthews	136
The Problem of Heavy Crops in the Wet Belt , by S. O. Skinner	137
Heat Treated Cane and Healthy Cane Aren't Necessarily the Same , by B. T. Egan	138
Random Gleanings	139
World Distribution of Cane Diseases	141

VOLUME XXII

Editorial : Another Prosecution	3
Obituary : Arthur F. Bell	4
Twenty-Fifth Anniversary of Quarterly Bulletin	5
New Guinea Cane Varieties	5
A Comparison of the Yields of the Major Varieties in Babinda, 1957 , by A. G. Barrie	6
The New Varieties, Q.63 and Q.65 , by C. G. Story	9
Experiment Station Field Days	11
Further Steps in the Control of Reed Grass , by C. A. Rehbein	12
Mechanical Harvesting Investigations	13
Varietal Trials—1957 Season	14
Leading Varieties—1957 Crop	26
Forty-Nine Years Ago	26
Some Soil Management Practices in the Mackay District, by C. G. Story	27
Annual Conference of Cane Pest and Disease Control Boards , by R. W. Mungomery	31
£70,000 Bridge—Maroochy River , by C. L. Toohey	33
Stubble Shaving	34
Top Rot Can Cause Losses , by B. T. Egan and C. G. Hughes	35
Editorial—Giant Sensitive Plant Control	39
Cockatoo Damage , by A. A. Matthews	40
Carbide Gun to Control Birds	41
Applying BHC at Planting Time , by G. Wilson	42
Scale Insect in the Isis District	44
Ditch Digging , by J. H. Buzacott	45
More New Varieties	46

	Page
Better Pre-Emergence Weedicides, by A. G. Barrie	47
Lodging Resistance	48
Unusual Damage to Mature Cane, by E. H. Fox	49
Field Day Address—Mackay, by L. G. Vallance	51
Urea	52
Pictorial Section	53
Aerial Application of Urea, by J. Wessdorp	57
Forecast of Approved Varieties for 1959	59
Beetle Damage in the South, by C. L. Toohey	60
Spreading Mill Mud, by S. O. Skinner	62
Progress and Prospects, by Norman J. King	63
Keep Up the Hot Water Treatment	65
Guinea Grass and Para Grass Control, by L. G. Vallance	66
Queensland Potash Usage in 1957	68
A Novel Planting Aid, by J. Anderson	69
Does It Pay? by L. G. Vallance	71
Random Gleanings	72
Editorial—The Bureau's New Building	75
Overproduction of Sugar, by Norman J. King	76
I.S.S.C.T. Congress in Hawaii	78
The Bureau's New Building	79
A Short Historical Survey	86
Termite Damage	87
A Filter Mud Spreader, by N. McD. Smith	88
Improved Germination of Hot Water Treated Cane, by J. H. Buzacott	93
Planting Seedlings—Innisfail Sub-Station, by S. O. Skinner	94
Initiative, by C. L. Toohey	95
Q.57 in Babinda	97
Phytophthora Wilt of Velvet Beans, by B. T. Egan	98
A New Angle on Giant Sensitive Plant Control	99
List of Varieties	100
Approved Fodder Canes	101
The Massey-Ferguson Harvester, by Norman J. King	102
More Droopy Top, by I. T. Freshwater	104
Analysis of Soil Samples	105
The Scott Harvester, by N. McD. Smith	106
Mackay Varieties in Far North, by J. H. Buzacott	108
Editorial	111
Quarantine Measures for the 1957 N.G. Varieties, by B. T. Egan	112
Bundaberg Field Day Address (1958), by N. J. King, Director of Sugar Experiment Stations	114
A New Fungicide	116
A Cane Truck Trailer, by H. G. Knust	117

	Page
The Isis Water Conservation Scheme, by N. McD. Smith	119
The Value of a New Cane Variety	120
Mosaic Disease—A Lesson from Louisiana, by C. G. Hughes	121
Pictorial Section	125
A Method for Operating Garage Doors, by S. O. Skinner	129
Use BHC Fertilizer Mixtures with Care, by I. T. Freshwater	130
What is BHC Worth?	131
An Animal Pest of Sugar Cane, by G. Wilson	132
The Need for Rigid Observance of Quarantines, by R. W. Mungomery	134
Disease and Pest Board's Conference	135
The Problem of Q.66, by J. H. Buzacott	136
Ploughing versus Discing of Green Manure Crops	137
Correction	137
Varietal Trials—1958 Season, by H. E. Young	138
Random Gleanings	143